

Serial No.: 10/520,936
Atty. Docket No.: P70330US0

IN THE CLAIMS:

Please amend the claims as follows:

1. (Cancelled).

2. (Cancelled).

3. (Currently Amended) An irrigation system comprising a reservoir for irrigating liquid, a probe for arrangement in a user, a conduit for conducting the irrigating liquid from the reservoir to the probe, a fixation member including an inflatable cuff for fixation of the probe in the user, a pump for pumping gas into the reservoir to transfer the irrigating liquid from the reservoir to the probe, and a control unit which may be set in at least a cuff inflating position and a liquid transferring position, said pump being directly connected to or integral with said control unit, said conduit including a first part connecting the control unit with the probe and a second part connecting the reservoir with the control unit, each of said first and second parts including a gas conducting tube and an irrigating liquid conducting tube.

4. (Cancelled).

Serial No.: 10/520,936
Atty. Docket No.: P70330US0

5. (Cancelled).

6. (Currently Amended) An irrigation system comprising a reservoir for irrigating liquid, a probe for arrangement in a user, a conduit for conducting the irrigating fluid from the reservoir to the probe, a fixation member including an inflatable cuff for fixation of the probe in the user, a pump for pumping gas into the reservoir to transfer the irrigating liquid from the reservoir to the probe, and a control unit which may be set in at least three different positions including an inactive position, a cuff inflating position in which gas is pumped into the inflatable cuff and a liquid transferring position in which gas is pumped into the reservoir and irrigating liquid is transferred from the reservoir to the probe.

7. (Previously Presented) An irrigation system comprising a reservoir for irrigating liquid, a probe for arrangement in a user, a conduit for conducting the irrigating fluid from the reservoir to the probe, a fixation member including an inflatable cuff for fixation of the probe in the user, a pump for pumping gas into the reservoir to transfer the irrigating liquid from the reservoir to the probe, and a control unit which may be set in at least a cuff

Serial No.: 10/520,936
Atty. Docket No.: P70330US0

inflating position and a liquid transferring position, said control unit including elements that may be moved with respect to each other into at least said cuff inflating and liquid transferring positions, said elements including a first disc connected with at least an irrigating liquid tube connecting the control unit with the probe, a second disc connected with at least an irrigating liquid tube connecting the reservoir with the control unit, and an intermediate disc positioned between and being rotatable about an axis of rotation with respect to the first and second discs, said intermediate disc being settable in at least said cuff inflating and liquid transferring positions.

8. (Previously Presented) The irrigation system as claimed in claim 7, wherein the first disc includes a first through-going cavity at a first distance from said axis of rotation and a second through-going cavity at a second distance from said axis of rotation, the second disc includes a first through-going cavity at said first distance from said axis of rotation, a second through-going cavity at said second distance from said axis of rotation and a third through-going cavity at a third distance from said axis of rotation, and the intermediate disc having, along a first line extending from said axis of rotation towards a periphery of the

Serial No.: 10/520,936
Atty. Docket No.: P70330US0

intermediate disc, a first through-going cavity at said second distance from the axis of rotation and a first oblong recess extending from said first intermediate disc through-going cavity to the periphery of the intermediate disc, and along a second line extending at an angle with respect to said first line from said axis of rotation towards the periphery of the intermediate disc, said intermediate disc having a second through-going cavity at said first distance from the axis of rotation and a second oblong recess opening towards said second disc and extending substantially over a distance corresponding to the second and third through-going cavities in the second disc, and along a third line extending at an angle with respect to said second line from said axis of rotation towards the periphery of the intermediate disc, said intermediate disc having a third through-going cavity at said second distance from the axis of rotation.

9. (Previously Presented) The irrigation system as claimed in claim 8, wherein the conduit includes a first part connecting the control unit with the probe and a second part connecting the reservoir with the control unit, each of said first and second parts including a gas conducting tube and an irrigating liquid conducting tube, the gas conducting tube of the first part of the

Serial No.: 10/520,936
Atty. Docket No.: P70330US0

conduit being connected with the second through-going cavity of the first disc and the irrigating liquid conducting tube of the first part being connected with the first through-going cavity of the first disc, the gas conducting tube of the second part of the conduit being connected with the third through-going cavity of the second disc and the irrigating liquid conducting tube of the second part being connected with the first through-going cavity of the second disc, and the pump being connected with the second through-going cavity of the second disc.

10. (Previously Presented) The irrigation system as claimed in claim 8, wherein the intermediate disc along a fourth line extending at an angle with respect to said third line from said axis of rotation towards the periphery of the intermediate disc has a fourth through-going cavity at said first distance from the axis of rotation and a third oblong recess opening towards said second disc and extending substantially over a distance corresponding to the second and third through-going cavities in the second disc.

11. (Previously Presented) The irrigation system as claimed in claim 8, wherein each of said angles is substantially 90°.

Serial No.: 10/520,936
Atty. Docket No.: P70330US0

12. (Previously Presented) The irrigation system as claimed in claim 7, wherein at least said intermediate disc is formed from a resilient material.

13. (Currently Amended) An irrigation system comprising a reservoir for irrigating liquid, a probe for arrangement in a user, a conduit for conducting the irrigating fluid from the reservoir to the probe, a fixation member including an inflatable cuff for fixation of the probe in the user, a pump for pumping gas into the reservoir to transfer the irrigating liquid from the reservoir to the probe, and a control unit which may be set in at least a cuff inflating position and a liquid transferring position, said control unit including at least two elements that may be moved with respect to each other into at least said cuff inflating and liquid transferring positions, said elements including a cylindrical element and an accommodating element having a substantially cylindrical aperture with dimensions corresponding substantially to the dimensions of the cylindrical element, said accommodating element in a first angular position having a first canal in a first height position and a second canal in a second height position, the accommodating element in a second angular position having a third canal in said first height position and a fourth canal in said

Serial No.: 10/520,936
Atty. Docket No.: P70330US0

second height position, the accommodating element in a third angular position having a fifth canal in a third height position, and the accommodating element in a fourth angular position having a sixth canal in said third height position, each canal extending from a periphery of the accommodating element to the substantially cylindrical aperture, said cylindrical element being rotatable about an axis of rotation with respect to the accommodating element, and said cylindrical element being settable in at least said cuff inflating and liquid transferring positions, at least irrigating liquid conducting tubes connecting the control unit with the probe and the reservoir.

14. (Canceled).

15. (Currently Amended) The irrigation system as claimed in claim ~~14~~ 13, wherein the cylindrical element includes an internal gas distribution compartment having in a first angular position a first passage, in a second angular position a second passage, in a third angular position a third passage and in a fourth angular position a fourth passage.

16. (Currently Amended) The irrigation system as claimed in claim ~~14~~ 13, wherein the cylindrical element includes in said third angular position a first channel extending from substantially the axis of rotation to a periphery of the cylindrical element, and a second channel extending from substantially the axis of rotation to the periphery of the cylindrical element in a fifth angular position that forms an angle with the third angular position corresponding to the angle between said first and second angular positions of the accommodating element, said first and second channels being connected with each other at the axis of rotation.

17. (Currently Amended) The irrigating system as claimed in claim ~~14~~ 13, wherein the conduit includes a first part connecting the control unit with the probe and a second part connecting the reservoir with the control unit, each of said first and second parts including a gas conducting tube and an irrigating liquid conducting tube, the first canal being connected with the irrigating liquid conducting tube and the second canal with the gas conducting tube of the first part of the conduit, the third canal being connected with the irrigating liquid conducting tube and the fourth canal with the gas conducting tube of the second part of the

Serial No.: 10/520,936
Atty. Docket No.: P70330US0

conduit, the fifth canal being connected with the pump, and the sixth canal being connected with the ambience.

Claims 18-22. (Cancelled).

23. (Currently Amended) An irrigation system comprising a reservoir for irrigating liquid, a probe for arrangement in a user, a conduit for conducting the irrigating fluid from the reservoir to the probe, a fixation member including an inflatable cuff for fixation of the probe in the user, a pump for pumping gas into the reservoir to transfer the irrigating liquid from the reservoir to the probe, and a control unit which may be set in at least a cuff inflating position and a liquid transferring position, said pump being a powered pump by an external device and being deactivated when the control unit is set in a first position and being activated automatically when the control unit is set in a second position.

24. (Currently Amended) An irrigation system comprising a reservoir for irrigating liquid, a probe for arrangement in a user, a conduit for conducting the irrigating fluid from the reservoir to the probe, a fixation member including an inflatable cuff for

Serial No.: 10/520,936
Atty. Docket No.: P70330US0

fixation of the probe in the user, a pump for pumping gas into the reservoir to transfer the irrigating liquid from the reservoir to the probe, and a control unit which may be set in at least two different positions that include a cuff inflating position and a liquid transferring position, said pump being a manually operated pump which is connected to or integral ~~integrated~~ with the control unit.

25. (Currently Amended) An irrigation system comprising a reservoir for irrigating liquid, a probe for arrangement in a user, a conduit for conducting the irrigating fluid from the reservoir to the probe, a fixation member including an inflatable cuff for fixation of the probe in the user, a pump for pumping gas into the reservoir to transfer the irrigating liquid from the reservoir to the probe, and a control unit which may be set in at least two different positions that include a cuff inflating position and a liquid transferring position, said control unit including three flexible tubes connected to a pumping element at one end, the first tube being connected to a gas outlet, the second tube being connected to the reservoir and the third tube being connected to the inflatable cuff.

Serial No.: 10/520,936
Atty. Docket No.: P70330US0

26. (Currently Amended) The irrigation system as set forth in claim 23, wherein said external device powering said pump is electrically or pneumatically operated.

27. (Previously Presented) The irrigation system as set forth in claim 24, wherein said pump is a bulb or a bellow pump.

28. (Currently Amended) The irrigation system as set forth in claim 25, wherein said tubes are individually compressed to prevent fluid flow therethrough such that one of the tubes allows fluid to flow therethrough at the same time that another of the tubes prevents fluid flow therethrough.

29. (New) An irrigation system comprising a reservoir for irrigating liquid, a probe for arrangement in a user, a conduit for conducting the irrigating fluid from the reservoir to the probe, a fixation member including an inflatable cuff for fixation of the probe in the user, a pump for pumping gas into the reservoir to transfer the irrigating liquid from the reservoir to the probe, and a control unit which may be set in at least a cuff inflating position and a liquid transferring position, said control unit including at least two elements that may be moved with respect to

Serial No.: 10/520,936
Atty. Docket No.: P70330US0

each other into at least said cuff inflating and liquid transferring positions, said elements including a cylindrical element and an accommodating element having a substantially cylindrical aperture with dimensions corresponding substantially to the dimensions of the cylindrical element, the accommodating element including an abutment face for a bottom face of the cylindrical element, the accommodating element in a first angular position having a first canal, and in a second angular position a third canal, each of said first and third canals extending from a periphery of the accommodating element in a direction substantially towards the axis of rotation to a predetermined position and from said predetermined position to the abutment face, the accommodating element along a line substantially parallel with a line extending through said first angular position having a second canal, and along a line substantially parallel with a line extending through said second angular position having a fourth canal, each of said second and fourth canals extending from the periphery of the accommodating element to a predetermined position and from said predetermined position to the abutment face, the accommodating element in a third angular position having a fifth canal extending from the periphery of the accommodating element to the axis of rotation and further on to the abutment face, the accommodating

Serial No.: 10/520,936
Atty. Docket No.: P70330US0

element in a fourth angular position having a sixth canal extending from the periphery of the accommodating element towards the axis of rotation to a predetermined position and from that position to the abutment face, said cylindrical element in the bottom face having a first oblong recess opening towards the abutment face and having an extent corresponding substantially to the distance between the first and third canals of the accommodating element, and a second oblong recess opening towards the abutment face and having such a configuration that, in a first position, it extends from the fourth canal through the fifth and second canals to the sixth canal, said cylindrical element being rotatable about an axis of rotation with respect to the accommodating element, and said cylindrical element being settable in at least said cuff inflating and liquid transferring positions, at least irrigating liquid conducting tubes connecting the control unit with the probe and the reservoir.

30. (New) The irrigation system as claimed in claim 29, wherein the first oblong recess has a substantially curved shape.

31. (New) The irrigation system as claimed in claim 29, wherein the conduit includes a first part connecting the control unit with the probe and a second part connecting the reservoir with

Serial No.: 10/520,936
Atty. Docket No.: P70330US0

the control unit, each of said first and second parts including a gas conducting tube and an irrigating liquid conducting tube, the first canal being connected with the irrigating liquid conducting tube and the second canal with the gas conducting tube of the first part of the conduit, the third canal being connected with the irrigating liquid conducting tube and the fourth canal with the gas conducting tube of the second part of the conduit, the fifth canal being connected with the pump, and the sixth canal being connected with the ambience.